

. . SOUTHAMPTON . .
PORT SANITARY AUTHORITY.



Annual Report

ON THE
PORT OF SOUTHAMPTON,

For the Year 1903,

BY

R. E. LAUDER, F.R.C.S., ED., D.P.H.,

*Medical Officer of Health for the County Borough and Port of
Southampton.*

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SOUTHAMPTON
PORT SANITARY AUTHORITY

ANNUAL REPORT

For the Year ending 31st December, 1903.

TO THE MAYOR, ALDERMEN, AND COUNCILLORS
OF THE
COUNTY BOROUGH OF SOUTHAMPTON.

GENTLEMEN,

I have the honour to present to you the Annual Report on the Port of Southampton for the year ending 31st December, 1903.

During the year under review, many ports with which we have direct communication have been declared infected with Plague, Cholera, Yellow Fever, or Small-pox, which necessitated the boarding off Netley of most of the large vessels arriving in the Port.

The number of persons (passengers and crew) landing in the Port shows a considerable decrease, when compared with the previous year. This diminution is principally accounted for by the decrease in the number of troops returning from South Africa and the reduced number of transports and consequently of crews landing in the Port. The number of troops and crews of transports arriving amounted to 45,198 in 1903, compared with 156,210 in 1902.

Two cases of Plague occurred on vessels bound for Southampton, but the patients were landed at other Ports. No other cases occurred, and the vessels were given pratique here after the usual precautions as to disinfection, &c., had been taken.

I should again like to tender my thanks to the Naval and Military Authorities and the various Shipping Companies for the valuable aid they have given me during the year.

I am, Gentlemen,

Your obedient Servant

R. E. LAUDER,

Port Medical Officer.

STATISTICS.

By the courtesy of the Board of Trade I am enabled to append particulars contained in Table (A), showing the number of passengers who left for places out of Europe and the number of passengers arriving from such places.

The record shows an increase in the number of persons who left for, and a decrease in the number of those arriving from places out of Europe.

The number of aliens who arrived from the Continent amounted to 5,784, an increase of over 1,000 in the number that arrived at this Port in the previous year. The medical examination of emigrants embarking is carried out by the Board of Trade's Medical Officer.

The information in Table (B) is supplied by the Customs Authorities, and shows the number and tonnage of vessels arriving in the Port, together with the number of crews and passengers.

The total number of passengers and crews arriving from all countries amounted to 341,752. This is a decrease of 131,175 persons arriving in the Port last year compared with 1902, and is accounted for by the large number of troops returning from South Africa in 1902.

Several large vessels arrived in the river to disembark passengers for Southampton. Records are obtainable of persons landing only, and not of passengers or crews in transit to other Ports.

* **TABLE A.**

PASSENGERS.	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903
Number of Passengers who left for places out of Europe and not within the Mediterranean Sea...	52,045	67,253	69,020	60,059	44,034	49,662	64,998	58,829	87,030	88,695
Number of Alien Passengers who arrived from the Continent as Deck Passengers or who after landing proceeded by train as third class passengers.....	1,869	2,363	1,190	940	891	1,174	1,538	1,981	4,765	5,784

TABLE B.

RETURN OF SHIPS' TONNAGE, PASSENGER ARRIVALS, ETC., FOR TEN YEARS, 1894 TO 1903.

Year.	Number of Arrivals from Foreign Ports.	Number of Arrivals from Home Ports (Coasters).	Number of Passengers arriving at the Port from Ports other than Jersey	Number of Passengers arriving from Jersey,	Number of Crews Arriving.	Number of Ships of 2,000 Tons and upwards.	Number of Ships under 2,000 Tons.	Net Tonnage of Vessels entering the Port.
1894	* 2,458	9,165	"A." 66,371	30,705	76,680	453	2,005	3,167,864
1895	* 2,501	9,443	70,334	30,500	87,998	475	1,963	3,435,938
1896	* 2,614	9,818	74,310	30,274	91,867	438	2,176	3,596,945
1897	* 2,587	10,134	81,594	31,784	90,545	472	2,115	3,849,553
1898	* 2,768	10,043	82,140	31,474	100,719	539	2,229	4,155,071
1899	* 2,791	9,538	96,637	27,915	103,748	683	2,108	4,257,035
1900	* 2,812	10,025	122,449	27,776	109,382	687	2,125	4,822,384
1901	* 2,873	10,233	146,181	28,693	174,351	703	+ 12,403	4,871,876
1902	* 3,012	10,955	253,225	30,104	189,598	714	+ 13,253	5,355,291
1903	* 2,557	10,688	121,533	29,770	179,761	576	+ 12,669	4,373,993

*(1894)—286 of these Vessels called here without reporting; no record of Crews or Passengers remaining on board; no average possible.
 *(1895)—256 ditto ditto
 *(1896)—315 ditto ditto
 *(1897)—353 ditto ditto
 *(1898)—377 ditto ditto
 *(1899)—519 ditto ditto
 *(1900)—489 ditto ditto
 *(1901)—546 ditto ditto
 *(1902)—636 ditto ditto
 *(1903)—307 ditto ditto

All Passengers other than those from Jersey are included in Column marked "A," 32,165 of whom arrived from the Continent of Europe in 1903.
 † Including Coasters.

TABLE ZYMOTIC

The following Table gives particulars of Vessels reported as measures adopted in each case by the direction of the Port Medical

Date.		Name of Vessel.	Where from.	Nature of Sickness.
1903.				
1—January	2	S.S. Orinoco	Barbadoes	One case of Measles
2—January	2	S.S. Orotavo	Durban	Fifteen cases of Enteric Fever (one death), and cases of Dysentery
3—January	3	S.S. Norman	Natal	Cases of Diarrhœa (troops). One case of Enteric
4—January	5	S.S. Montrose (H.M. Transport)	Durban	(Troops), three cases of Enteric. (Crew) two ditto
5—January	6	S.S. Anversville	Matadi	One case of Malaria. Cases of Diarrhœa. One death from Malaria
6—January	6	S.S. Avondale Castle	Algoa Bay	Troops: eight cases of Enteric Fever. One case of Elevated Temperature, probably Enteric
7—January	10	S.S. Doune Castle	London	One case of German Measles
8—January	12	S.S. Nubia (H.M. Transport)	Durban	One case of Elevated Temperature. One death, Dysentery.
9—January	25	S.S. Thames	La Plata	One death, Enteric Fever. One case of Diarrhœa
10—January	28	S.S. Orcana	Cape Town	Several cases Malaria
11—January	28	S.S. Bayern	Yokohama	One case of Malaria (died at sea)
12—January	28	S.S. Adolph Woermann	Cameroons	Two cases of Malaria
13—February	13	S.S. Hans Woermann	Cameroons	Seven cases of Malaria One case Diarrhœa

C.**DISEASES.**

having, or having had, Zymotic Disease on Board, with the Officer.

REMARKS.

- 1—Case transhipped at Limon. Disinfection carried out by Ship's Surgeon.
- 2—Cases removed to Netley Hospital. Disinfection carried out by Port Sanitary Authority.
- 3—Ditto
- 4—Enteric cases amongst troops removed to Netley Hospital. Enteric cases amongst crew removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 5—No action taken.
- 6—Cases removed to Netley Hospital. Disinfection carried out by Port Sanitary Authority.
- 7—Case removed to Isolation Hospital. Disinfection carried out
- 8—No action taken.
- 9—Disinfection carried out. Case of Diarrhœa removed to Infirmary.
- 10—No action taken.
- 11—No action taken.
- 12—No action taken.
- 13—No action taken.

Date.	Name of Vessel.	Where from.	Nature of Sickness.
14—February 14	S.S. Kildonan Castle	Natal	One case of Enteric Fever
15—February 15	S.S. Snowflake	Philadelphia via London	Two cases of Enteric Fever
16—February 16	S.S. Staffordshire (H.M. Transport)	Durban	Two cases of Enteric Fever. One case of Elevated Tem- perature
17—February 19	S.S. Lake Manitoba	Durban	Two cases of Enteric Fever
18—February 21	S.S. Goorkha	Cape Town	One case of Diarrhœa. One case of Enteric Fever
19—February 21	S.S. Saxon	Natal	One case of Measles
20—February 24	S.S. Grosser Kurfurs	Sydney	Three cases of Malaria
21—February 26	S.S. Assaye (H.M. Transport)	Bombay	Crew—four cases of Small Pox. Troops — One case of Enteric Fever. One case of Small Pox, and one case of Measles
22—March 6	S.S. Assaye (H.M. Transport)	Bombay	One case of Chicken Pox
23—March 10	S.S. Soudan (H.M. Transport)	Bombay	One case of Plague. Eighteen cases of Measles
24—March 11	S.S. Anversville	Matadi	Cases of Malaria
25—March 14	S.S. Nile	Barbadoes	One case of Gastric Fever
26—March 14	S.S. Soudan	Bombay	One case of Measles
27—March 20	S.S. Prinz Regt. Luitpold	Sydney	One case of Malaria
28—March 21	S.S. Walmer Castle	Natal	One case of Scarlet Fever. One case of Measles.
29—March 23	S.S. Dominion (H.M. Transport)	Cape Town	Troops—One case of Enteric Fever. Two cases of In- termittent Fever

REMARKS.

- 14—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 15—Cases removed to Hospital. Disinfection carried out by Port Sanitary Authority.
- 16—Cases removed to Netley Hospital. Disinfection carried out by Port Sanitary Authority.
- 17—Ditto.
- 18—Disinfection carried out.
- 19—Disinfection carried out by Port Sanitary Authority.
- 20—No action taken.
- 21—The four cases of Small Pox amongst crew were landed at Port Said on 16th February. One case of Small Pox removed to Hospital Ship. Other cases of sickness removed to Netley Hospital. The whole of the ship's bedding, linen, etc., and Government bedding were removed to West Quay for disinfection, and the ship thoroughly disinfected by the Port Sanitary Authority.
- 22—Case removed to West Quay Hospital. Disinfection carried out by Port Sanitary Authority.
- 23—The case of Plague was landed at Aden, and disinfection carried out. Four cases of Measles recovered, and fourteen cases removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 24—
- 25—Disinfection carried out by Port Sanitary Authority.
- 26—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.
- 27—No action taken.
- 28—Cases occurred on the outward voyage. Disinfection carried out.
- 29—Enteric case removed to Netley Hospital. Intermittent fever cases landed at Queenstown. Disinfection carried out by Port Sanitary Authority.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
30—March	23	S.S. Thames	Buenos Ayres	One case of Yellow Fever
31—March	24	S.S. Syria (H.M. Transport)	Bombay	One case of Plague
32—March				
33—March	27	S.S. Eleonore Woermnan	Duala	One death from Black Water Fever
34—March	28	S.S. Scot	Cape Town	One case of Enteric Fever
35—April	1	S.S. Phillipeville	Banana	Eleven cases Malaria
36—April	2	S.S. Sunda (H.M. Transport)	Cape Town	Troops — Four cases of Enteric Fever
37—April	5	S.S. Magdalena	Buenos Ayres	One case of Enteric Fever
38—April	6	S.S. Nubia (H.M. Transport)	Durban	Troops—One case of Enteric Fever (died at sea). Crew—One case of Beri-Beri
39—April	9	S.S. Ionian (H.M. Transport)	Cape Town	Three cases of Enteric Fever
40—April	11	S.S. Greek	Delagoa Bay	One case of Dysentery. One case Malaria
41—April	14	S.S. Ernest Woermann	Delagoa Bay	One case of Malaria
42—April	27	S.S. Alexandra Woermann	Cameroons	Several cases Malaria
43—April	29	S.S. Philadelphia	New York	One case of Erysipelas
44—April	30	S.S. Staffordshire (H.M. Transport)	Cape Town	Troops—Seven cases of Enteric Fever. One doubtful case of Enteric Fever. One case of Erysipelas (recovered)
45—May	3	S.S. Dunera (H.M. Transport)	Cape Town	Crew—Two cases of Small Pox. Troops — Three cases of Enteric Fever.

REMARKS.

- 30—Patient was 3rd class passenger. Embarked at Santos March 4th ; died March 10th. Bedding destroyed. Disinfection carried out by Ship's Surgeon and Port Sanitary Authority.
- 31—Patient was a fireman. Case was landed at Aden on 6th March, together with contacts. All native crew were landed with boxes and bedding on Quarantine Island, and disinfected. All that portion of ship occupied by natives was disinfected twice.
- 32—
- 33—No action taken.
- 34—Case landed at Cape Town. Disinfection carried out by Port Sanitary Authority.
- 35—
- 36—Cases removed to Netley Hospital. Disinfection carried out by Port Sanitary Authority.
- 37—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 38—Disinfection carried out by Port Sanitary Authority.
- 39—Enteric cases—one landed at Cape Town ; the other two landed at Gibraltar. Disinfection carried out by Port Sanitary Authority.
- 40—No action taken.
- 41—No action taken.
- 42—No action taken.
- 43—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.
- 44—Cases removed to Netley Hospital. Disinfection carried out by Port Sanitary Authority.
- 45—Small Fox, one case died at sea the other landed at Durban. Disinfection carried out at sea. Bedding, etc., destroyed. Enteric Fever cases removed to Netley Hospital. The whole of the Government Bedding, etc., was removed to West Quay, for disinfection by Port Sanitary Authority.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
46—May	5	S.S. Sardinia (H.M. Transport)	Bombay	Crew—One case Small Pox. Troops—One case of, and one death from, Enteric. Four cases Chicken Pox
47—May	9	S.S. Kinfauns Castle	Natal	One case of Chicken Pox (convalescent)
48—May	13	S.S. Gascon	Algoa Bay	One case of Measles
49—May	13	S.S. New York	New York	Two cases of Scarlet Fever
50—May	15	S.S. New York	New York	One case of Enteric Fever.
51—May	16	S.S. Braemar Castle	Algoa Bay	Two cases of Measles.
52—May	17	S.S. Nile	Buenos Ayres	One case of Enteric Fever.
53—May	20	S.S. Philadelphia	New York	Three cases Measles. One case of Erysipelas.
54—May	21	S.S. Plassy (H.M. Transport)	Cape Town	Troops—Four cases of Scarlet Fever.
55—May	23	S.S. Walmer Castle	Natal	One case of Measles.
56—May	28	S.S. St. Paul	New York	Two cases of Measles.
57—May	30	S.S. Guelph	Cape Town	One case of Enteric Fever.
58—May	30	S.S. Syria	Cape Town	One case Chicken Pox
59—June	6	S.S. Briton	East London	One case of Enteric Fever.
60—June	13	S.S. Plassy (H.M. Transport)	Vessel lying up in So'ton Water	One case of Enteric Fever.
61—June	14	S.S. Dunolly Castle	Port Elizabeth	One case of Enteric Fever.
62—June	18	S.S. St. Paul	New York	One case Small Pox.
63—June	26	S.S. Eleanore Woermann	Duala	Two cases of Malaria.

REMARKS.

- 46—Case of Small Pox landed at Port Said, 23rd April. Bedding destroyed and disinfection carried out. Cases of Chicken Pox recovered. Enteric case removed to Netley Hospital. Disinfection carried out by Port Sanitary Authority.
- 47—Disinfection carried out by Port Sanitary Authority.
- 48—Case convalescent on arrival. Bedding destroyed. Disinfection carried out.
- 49—Cases removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 50—Ditto.
- 51—Cases convalescent. Disinfection carried out by Port Sanitary Authority.
- 52—Case died at sea. Disinfection carried out by Port Sanitary Authority.
- 53—Cases of Measles removed to Isolation Hospital. Erysipelas removed to Workhouse Infirmary. Disinfection carried out by Port Sanitary Authority.
- 54—Cases removed to Netley Hospital. Disinfection carried out by Port Sanitary Authority.
- 55—Case convalescent. Disinfection carried out by Port Sanitary Authority.
- 56—One case removed to Isolation Hospital, the other to private house. Disinfection carried out by Port Sanitary Authority.
- 57—Case proceeded to London in vessel.
- 58—Removed to Netley Hospital. Disinfection carried out by Port Sanitary Authority.
- 59—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 60—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 61—Case landed at Cape Town. Disinfection carried out.
- 62—Case removed to Hospital Ship. Disinfection carried out by Port Sanitary Authority.
- 63—Cases proceeded to Antwerp in vessel.

Date.		Name of Vessel.	Where from.	Nature of Sickness.
64—June	26	S.S. Dilwara (H.M. Transport)	Cape Town	Crew—One case of Enteric Fever.
65—June	27	S.S. Saxon	Natal	Two cases of Chicken Pox. Two cases of Diphtheria
66—June	30	S.S. Menominee	New York	One case of German Measles
67—July	1	S.S. Philadelphia	New York	One case of Erysipelas
68—July	7	S.S. Galeka	Algoa Bay	One case Scarlet Fever
69—July	20	S.S. Barbarosa	Bremen	One death Diphtheria
70—July	21	S.S. Karlsruhe	Sydney	One case Diphtheria
71—July	22	S.S. Philadelphia	New York	One case of Measles
72—July	25	S.S. Walmer Castle	Natal	One case Blackwater Fever
73—July	28	S.S. Alexandra Woermann	Lagos	Two cases of Malaria
74—August	1	S.S. Galeka	London	One case Diphtheria
75—August	6	S.S. Erna	Harburg	One case of Enteric Fever
76—August	8	S.S. Briton	Natal	One case of Enteric Fever
77—August	8	S.S. Goorkha	London	One case Diphtheria
78—August	21	S.S. Albertville	Banana	Six cases of Malaria
79—August	25	S.S. Louie Woermann	Duala	Six cases of Malaria
80—September	4	S.S. Danube	Buenos Ayres	One case of Enteric Fever
81—September	5	S.S. Dunvegan Castle	Natal	One case of Measles. One suspicious case of Small Pox
82—September	5	S.S. Nubia (H.M. Transport)	Cape Town	One case of Scarlet Fever
83—September	9	S.S. Philadelphia	New York	Two cases of Measles

REMARKS.

- 64—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 65—One case of Chicken Pox was convalescent on arrival, the other was removed to Isolation Hospital. One case of Diphtheria died on the vessel; the other was removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 66—Case convalescent on arrival. Bed destroyed and disinfection carried out.
- 67—Case removed to Hospital. Disinfection carried out by Port Sanitary Authority.
- 68—Case proceeded in vessel to London.
- 69—Case died at sea on the 19th and buried at sea. Disinfection carried out.
- 70—Landed at Naples with relatives. Disinfection carried out at Naples.
- 71—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 72—Removed to a Nursing Home.
- 73—No action taken.
- 74—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 75—Ditto.
- 76—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 77—Ditto.
- 78—All recovered.
- 79—Ditto.
- 80—Case recovered. Disinfection carried out by Port Sanitary Authority.
- 81—Case of Measles recovered and free from infection. Suspicious case of Small Pox landed at Cape Town. Disinfection carried out by Port Sanitary Authority.
- 82—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.
- 83—Cases removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

Date.	Name of Vessel.	Where from.	Nature of Sickness.
84—September 11	S.S. Anversville	Matadi	Five cases of Malaria (recovered)
85—September 12	S.S. Princess Beatrice	Hull	One case of Scarlet Fever
86—September 26	S.S. Walmer Castle	Cape Town	One case of Scarlet Fever on outward voyage
87—September 26	S.S. Elenore Woermann	Duala	One case of, and one death from Black-water Fever
88—October 3	S.S. Kinfauns Castle	Natal	Two cases of Chicken Pox
89—October 3	S.S. Martin	Marionpol	One case Enteric Fever
90—October 3	S.S. Gaika	East London	One case of Beri-beri (convalescent)
91—October 8	S.S. Phillipeville	Banana	Three cases Malarial Fever
92—October 10	S.S. Briton	Natal	One case Diphtheria landed at Cape Town
93—October 15	S.S. Adjutant	Smyrna	One case of Small Pox
94—October 17	S.S. Arundel Castle	East London	Two cases of Measles. One case of Diphtheria
95—October 22	S.S. La Plata	Barbadoes	One convalescent case of Beri-beri
96—October 23	S.S. Menes	Alexandria	Cases Malarial Fever
97—October 26	S.S. Albertville	Banana	Several cases Malarial Fever
98—October 26	S.S. Alexandra Woermann	Lagos	Two cases of Malaria
99—Nov. 13	S.S. Helene Woermann	Swakopmond	Four cases of Malaria
100—Nov. 11	S.S. Soudan (H.M. Transport)	Bombay	Troops—One case of Enteric Fever
101—Nov. 15	S.S. Plassy	Bombay	Troops—One death Enteric Fever

REMARKS.

84—No action taken.

85—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

86—Disinfection carried out at Cape Town.

87—No action taken.

88—One case convalescent, the other case removed to Private Nursing Home Southampton.

89—Removed to Workhouse Infirmary. Disinfection on ship carried out by Port Sanitary Authority.

90—No action taken.

91—Recovered.

92—Disinfection carried out at Cape Town.

93—Case removed to Hospital Ship. Disinfection carried out by Port Sanitary Authority.

94—Cases of Measles convalescent. Case of Diphtheria proceeded in vessel to London. Disinfection carried out.

95—No action taken.

96—Ditto.

97—Ditto.

98—Ditto.

99—Ditto.

100—Case landed at Queenstown. Disinfection carried out by Port Sanitary Authority.

101—Disinfection carried out.

Date.	Name of Vessel.	Where from.	Nature of Sickness.
102—Nov. 17	S.S. Madeira	Whydah	Nine cases Malaria
103—Nov. 18	S.S. Avondale Castle	Cape Town	Troops—One case of Enteric Fever
104—Nov. 26	S.S. Sicilia (H.M. Transport)	Bombay	Troops—One case Ele- vated tempera- ture. One death from Pyæmia
105—Nov. 27	S.S. Elenore Woermann	Duala	Two cases of Malaria
106—Nov. 27	S.S. Nile	Buenos Ayres	Two cases of Measles
107—Nov. 28	S.S. Walmer Castle	East London	One case of Chicken Pox
108—Dec. 7	S.S. Phillipeville	Matadi	Six cases of Malaria
109—Dec. 12	S.S. Briton	Natal	Three cases Measles
110—Dec. 13	S.S. Gaika	Cape Town	Two cases of Malarial Fever
111—Dec. 17	S.S. Ernest Woermann	Lagos	Two cases of Malaria (recovered)
112—Dec. 19	S.S. Carisbrook Castle	Natal	One case of Enteric Fever
113—Dec. 25	S.S. Magdalena	Buenos Ayres	One case of Measles
114—Dec. 26	S.S. Kildonan Castle	Natal	Two cases of Enteric Fever
115—Dec. 26	S.S. New York	New York	One case of Chicken Pox
116—Dec. 28	S.S. Albertville	Matadi	Two cases of Sleeping Sickness. One death Dysentery. One death from Sleeping Sickness
117—Dec. 29	S.S. Alexandra Woermann	Cameroons	Several cases Malaria Fever

REMARKS.

102—No action taken.

103—Case removed to Netley Hospital. Disinfection carried out by Port Sanitary Authority. Articles of Government Bedding were removed to West Quay Hospital and disinfected.

104—Case removed to Netley Hospital.

105—

106—Cases landed at Vigo. Bedding destroyed and disinfection carried out.

107—Case removed to West Quay Hospital. Disinfection carried out by Port Sanitary Authority.

108—No action taken.

109—Two cases of Measles convalescent; the other case removed to Isolation Hospital.

110—No action taken.

111—Ditto.

112—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

113—Case landed at Vigo. Disinfection carried out.

114—Cases removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

115—Case removed to Isolation Hospital. Disinfection carried out by Port Sanitary Authority.

116—Two cases of Sleeping Sickness were removed to Tropical School of Medicine at Liverpool.

117—No action taken.

TABLE D.
INFECTIOUS DISEASE.

Table showing the number of cases reported to have occurred on vessels bound for Southampton, and the number of them actually landed at this Port.

DISEASE.	Total cases reported	Cases actually landed and removed for isolation	Cases occurring during voyage and dealt with before arrival here, or died at sea.				
			Landed at other Ports.	Pro-ceeded in vessel to other Ports.	Died at Sea.	Conva-lescent on arrival.	Total.
Small Pox ...	11	3	7	...	1	...	8
Suspected ditto ...	1	...	1	...	...	...	1
Scarlet Fever ...	13	10	2	1	...	...	3
Diphtheria ...	8	3	2	1	2	...	5
Enteric Fever ...	86	72	6	1	5	2	14
Erysipelas ...	4	3	...	...	...	1	1
Measles ...	47	28	4	...	...	15	19
Chicken Pox ...	16	9	...	...	...	7	7
Plague ...	2	...	2	...	...	...	2
Yellow Fever ...	1	...	...	...	1	...	1
Totals ...	189	128	24	3	9	25	61

Cases of Sickness (other than Infectious shown in Table D) reported to have occurred on vessels bound for Southampton. Minor ailments have been omitted.

Black Water Fever ...	2	Rheumatic Fever ...	3
Malarial Fever ...	146	Apoplexy ...	2
Elevated Temperature ...	10	Sunstroke ...	4
Diarrhœa and Dysentery ...	125	Meningitis ...	1
Beri Beri ...	3	Heart Disease ...	5
Phthisis ...	28	Tonsilitis ...	1
Venereal Diseases ...	89	Gastritis... ..	2
Influenza ...	2	Peritonitis ...	1
Bronchitis ...	6	Delirium Tremens ...	1
Pneumonia ...	55	Nephritis ...	4
Pleurisy ...	4	Sleeping Sickness ...	3

TABLE E.**THE PRINCIPAL ZYMOTIC DISEASES**

Reported to have existed on Vessels bound for Southampton for ten years, 1894 to 1903.

DISEASE.	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903
Small Pox ..	4	4	6	15	11	12	19	4	2	11
Scarlet Fever ..	2	...	2	...	...	2	3	4	25	13
Enteric Fever ..	10	4	10	15	14	12	260	252	179	86
Diphtheria ..	...	...	2	3	1	1	5	2	2	8
Measles ..	5	2	32	32	37	41	53	61	187	47
Yellow Fever ..	...	...	2	3	1	1	5	...	1	1
Plague ..	...	...	...	1	...	...	...	3*	...	2

* Two of these were convalescent cases from Cape Town.

DEATHS AT SEA.

Eighty-six deaths were reported during the year as having occurred on Vessels bound for Southampton.

Respiratory Diseases and Phthisis were responsible for the largest number of deaths.

Sleeping Sickness ..	..	1	Dysentery ..	..	3
Heart Disease ..	..	3	Black Water Fever ..	..	2
Phthisis ..	..	14	Malarial Fever ..	..	7
Diphtheria ..	..	2	Enteric Fever ..	..	5
Pneumonia ..	..	10	Other Diseases ..	..	36
Heat Apoplexy ..	..	3			

PLAGUE.

Cases of Plague occurred at the following places during the year :—

China, Japan, Bombay, Mauritius, Durban, Port Elizabeth, East London, King William's Town, Egypt, Arabia, Turkey in Asia, Palestine, Smyrna, Marseilles, Graff Reinet, Port Mazaltan (Mexico), Rio Janerio, Campus, Port Victoria, Lima, Callo (Peru), Iquique (Chili), New Caledonia, Brisbane, Townsville, Freemantle (Australia).

All vessels arriving from the above-mentioned ports or countries were boarded off Netley for inspection, and the names and addresses of all persons landing taken before they were allowed to proceed to dock.

• All troopships were also boarded off Netley in co-operation with the Naval and Military representatives at this port.

Two cases of Plague were reported to have occurred on vessels bound for Southampton. The patient in each case was landed at other ports, and on arrival here the crews and passengers were found all well, and were allowed to proceed to their destinations after their names and addresses had been taken.

The following are the particulars of the two cases :—

(1.) March 10th. Patient was a native boy in the Steward's Department on the H.M. Transport Soudan, which sailed from Bombay on February 14th. The patient developed Plague on the 15th February, and was isolated in a steam launch on deck. The patient was landed at Aden, and all contacts and bedding in the Steward's Department landed and disinfected at the Quarantine Island. Disinfection was also carried out on arrival of the vessel at Moses Wells, Egypt. No further case occurred during the voyage.

(2.) March 24th. Patient was a native fireman on the H.M. Transport Syria, which left Bombay on the 25th February. The patient was discovered ill on the 3rd March—temperature 106—with tenderness and swelling in groin. The disease was diagnosed as Bubonic Plague, and was immediately isolated in a boat on deck. The patient, together with contacts, was landed at Aden on the 6th March. All native crew were landed with boxes and bedding on the Quarantine Island at Aden and disinfected. The portion of the ship occupied by the native crew was disinfected twice. No other case occurred on board.

CHOLERA.

Cases of Cholera occurred during the year at the following places :—

India, China, all ports on the Syrian Coast, Arabia, Alexandria, Port Said, and Asia Minor.

No cases of Cholera, however, occurred on vessels bound for Southampton, and no suspicious cases existed on any vessels in the Port.

YELLOW FEVER.

The following Ports were declared infected with Yellow Fever during the year :—

Ports on the Ivory Coast, Guayaquil, Port of Manans, and Rio Janerio.

One case of Yellow Fever occurred on board S.S. Thames bound for Southampton. The patient was a third class passenger and embarked at Santos on March 4th. He was taken ill March 9th, and died the following day. The bedding, &c., used by the patient was destroyed and disinfection carried out by the Ship's Surgeon. Disinfection was also carried out by the Port Sanitary Authority on arrival of the vessel at Southampton on March 23rd.

SMALL-POX.

Small-pox was declared to exist in epidemic form at the following places :—

Smyrna, Barbadoes, Trinidad, British Guiana, Venezuela, Tobago, Grenada, and the Grenadines.

Eleven cases and one suspicious case were reported to have occurred on vessels bound for Southampton, but only three were actually landed at the Port. The particulars are as follows :—

January 14th. S.S. Lady Martin. The case was landed at London, and disinfection carried out by that Authority.

February 26th. H.M. Transport Assaye. Four cases of Small-pox occurred amongst the crew and were landed at Port Said. One case, E.A.N., aged 36, an Army Schoolmistress, occurred during the voyage from Port Said to Southampton, and was removed off Netley to our Hospital Ship. The whole of the ship's bedding, linen, &c., together with all Government bedding, was removed from the ship to West Quay and disinfected. The names and addresses of all troops and crews were taken and forwarded to the districts to which they were proceeding.

May 3rd. H.M. Transport Dunera. Two cases of Small-pox occurred during the voyage. One case died at sea, the other was landed at Durban. Bedding, &c., was destroyed, and disinfection carried out at sea. Disinfection was also carried out by the Port Sanitary Authority on arrival of the vessel at Southampton, and the whole of the Government bedding, &c., removed to West Quay for disinfection.

May 5th. H.M. Transport Sardinia. One case of Small-pox was landed at Port Said on 23rd April. The bedding was destroyed, and the disinfection carried out at sea. Disinfection was also carried out by the Port Sanitary Authority on arrival of the vessel at Southampton.

June 18th. S.S. St. Paul. This patient, M.F., aged five months, was certified to be suffering from Small-pox on arrival of the vessel from New York, and was removed to West Quay. This disease proved not to be Small-pox, and the patient was discharged to the Workhouse Infirmary.

September 5th. S.S. Dunvegan Castle. A suspicious case of Small-pox was landed at Cape Town. Disinfection was carried out by the Port Sanitary Authority on arrival of the vessel at Southampton.

October 15th. S.S. Adjutant. The patient, K.J., aged 25, a seaman, was removed from the vessel on arrival from Smyrna and isolated on our Hospital Ship. The whole of the crew were re-vaccinated and disinfection carried out by the Port Sanitary Authority.

ENTERIC FEVER.

Eighty-six cases of Enteric Fever occurred on vessels bound for this Port, of which 72 were landed here. This is a decrease of 93 cases reported, and 55 landed, when compared with last year. This reduction is due to the diminution in the number of troops returning from South Africa. Forty-eight of the cases were removed to Netley Hospital, and 15 to our Isolation Hospital, four to the Royal South Hants and Southampton Hospital, one to the Workhouse, one to a Nursing Home, and the remainder to their own homes in the Borough.

SCARLET FEVER.

Thirteen cases of Scarlet Fever were reported to have occurred on vessels arriving here. Ten of the cases were actually landed, five being removed to the Isolation Hospital, and five to Netley Hospital.

DIPHTHERIA.

Eight cases of Diphtheria were stated to have occurred on vessels bound for Southampton. Three of the cases were landed here and were removed to our Isolation Hospital.

OTHER INFECTIOUS DISEASES.

Twenty-eight cases of Measles; four cases of Chicken Pox; and three cases of Whooping Cough were landed here during the year, and removed to the Isolation Hospital for treatment.

SLEEPING SICKNESS.

Two cases of Sleeping Sickness were landed here during the year, and one death occurred from the disease on the voyage to Southampton. These cases were in transit to the Tropical

School of Medicine at Liverpool for pathological observations. The patients were removed in charge of a medical man. They are, I believe, the first cases of this disease that have been brought to Europe.

TROOPSHIPS.

Forty transports arrived here during the year, landing approximately 7,016 crew and 38,182 troops and passengers. This is a large decrease compared with the previous year, when 138 transports arrived, landing 19,992 crew and 136,188 troops and passengers.

Twenty-four of the transports came from South Africa and Natal ; 11 from Bombay ; two from Malta, and one each from Sierra Leone, Gibraltar, and Alexandria.

All these vessels were boarded off Netley and medically inspected, in co-operation with the Naval and Military Authorities.

The infectious diseases occurring on board and the action taken with respect to same are detailed in Table (C).

Cases of Enteric and Scarlet Fever existing amongst troops were removed to Netley Hospital for treatment, but all cases occurring amongst the crews, or cases of Measles and Whooping Cough amongst children on board were removed to the Isolation Hospital, and cases of Small-pox to the Hospital Ship.

In several instances it was considered advisable that the whole of the bedding, linen, &c., on board the transport should be disinfected. This necessitated the removal of the bedding, &c., to and from West Quay and disinfection in our Steam Disinfecter.

The following Table gives a detailed list of transports arriving in the Port.

TABLE F.

LIST OF TRANSPORTS ARRIVING IN THE PORT
OF SOUTHAMPTON DURING THE YEAR 1903.

Date.	Name of Vessel.	Whence.	Crew.	Passengers.
1903.				
January 1st	S.S. Dilwara	Cape Town	169	1151
January 2nd	S.S. Oratava	Durban	138	1062
January 5th	S.S. Montrose	Durban	111	1592
January 11th	S.S. Nubia	Durban	173	419
January 28th	S.S. Orcana	Cape Town	105	755
February 3rd	S.S. Ortona	Cape Town	187	1620
February 10th	S.S. Aurania	Cape Town	218	834
February 15th	S.S. Orissa	Sierra Leone	131	33
February 16th	S.S. Staffordshire	Durban	140	1052
February 16th	S.S. Wakool	Gibraltar	85	693
February 19th	S.S. Lake Manitoba	Durban	124	265
February 26th	S.S. Assaye	Bombay	227	1148
February 27th	S.S. Sardinia	Cape Town	194	290
March 10th	S.S. Soudan	Bombay	197	1360
March 12th	S.S. Plassy	Bombay	229	1490
March 17th	S.S. Ortona	Alexandria	194	1532
March 24th	S.S. Syria	Bombay	181	1365
March 24th	S.S. Sicilia	Bombay	198	856
March 23rd	S.S. Dominion	Cape Town	136	736
April 2nd	S.S. Sunda	Cape Town	130	665
April 4th	S.S. Nubia	Durban	184	528
April 9th	S.S. Ionian	Cape Town	172	1325
April 14th	S.S. Ortona	Malta	193	1232
April 25th	S.S. Assaye	Bombay	223	1073

TABLE F.—*Continued.*

Date.	Name of Vessel.	Whence.	Crew.	Passengers.
1903.				
April 30th	S.S. Staffordshire	Cape Town	149	1099
May 3rd	S.S. Dunera	Cape Town	187	767
May 3rd	S.S. Sardinia	Bombay	203	714
May 21st	S.S. Plassy	Cape Town	225	1334
May 30th	S.S. Syria	Cape Town	200	1102
June 2nd	S.S. Orissa	Cape Town	130	706
June 13th	S.S. Sicilia	Cape Town	194	188
June 21st	S.S. Nubia	Cape Town	184	546
June 26th	S.S. Dilwara	Cape Town	168	533
August 8th	S.S. Dunera	Cape Town	161	1205
September 5th	S.S. Nubia	Cape Town	174	635
November 11th	S.S. Soudan	Bombay	192	801
November 15th	S.S. Plassy	Bombay	227	1275
November 24th	S.S. Dilwara	Malta	163	1353
November 24th	S.S. Sicilia	Bombay	191	1366
December 4th	S.S. Assaye	Bombay	229	1482
		Totals	7016	38182

GENERAL SANITARY INSPECTION.

TABLE G.

Showing number of Vessels inspected, including re-visits with per centage of defects.

Date.	Foreign Vessels visited	Coasting Vessels visited	Total Inspections	Number found Defective	Per centage Defective
1890	1,750	3,570	5,320	75	1·4
1891	1,755	3,840	5,595	88	1·5
1892	1,788	2,819	4,607	57	1·2
1893	2,976	2,513	5,489	162	2·95
1894	2,196	4,190	6,386	239	3·74
1895	2,212	3,822	6,034	111	1·83
1896	2,312	3,196	5,508	105	1·9
1897	1,692	3,345	5,037	105	2·1
1898	1,766	3,136	4,902	48	0·97
1899	1,786	2,585	4,371	42	0·96
1900	1,666	1,795	3,461	52	1·5
1901	3,586	2,549	6,135	73	1·2
1902	2,191	3,464	5,655	175	3·1
1903	1,531	3,453	4,987	208	4·17

INSPECTION OF VESSELS.

The number of inspections made amounted to 4,357, not including 623 revisits. This is a decrease of 173 inspections, and a decrease of 472 revisits, compared with 1902.

Passengers and cargo vessels, other than those from infected ports, are boarded immediately they arrive alongside the quays. Vessels which only discharge passengers off Hamble are waited upon by tenders. An officer of the Port Sanitary Authority accompanies each tender and receives a report as to the health of the persons on board, and more particularly of those who are to be landed at Southampton. The number of such vessels visited was 136, and the number of passengers landed 5,226. In many instances the Steam Ambulance accompanies the tender in readiness to remove any infectious disease that may exist on board, without causing any delay to the vessel.

NUISANCES.

Two hundred and eight nuisances, principally of an unimportant character, were discovered during the year, being an increase of 33 compared with the previous year.

The majority of the nuisances were abated by verbal notice. In those cases where the vessel sailed before the notice could be complied with, if the vessel was proceeding to a home port, information as to the non-compliance was forwarded to the Port Medical Officer of the district to which such vessel was proceeding.

The nuisances consisted mainly of the following :—

Uncleanly crews' quarters	...	...	107
Defective stoves and stove pipes	...	...	28
Leaky condition of crews' quarters	...	...	1
Defective glass ports,	„	...	1
Faulty construction of fresh water tank	...	...	1
Uncleanly food lockers	...	...	21
Defective sail locker door in crews' quarters	...	...	1
Defective bulkheads in crews' quarters	...	...	2
Uncleanly lockers in crews' quarters	...	...	3
Leaky decks over crews' quarters	...	...	8
Defective floors in crews' quarters	...	...	11
Leaky condition of hawse pipe	...	...	1
Dampness of crews' quarters caused by want of ventilation	...	...	2
Uncleanly fresh water tanks	...	...	53
Defective fresh water tank	...	...	1
Uncleanly hold	...	...	1
Defective fresh water casks	...	...	8
Foul condition of waterclosets and urinals			9
Defective waterclosets	...	...	3
Uncleanly bedding in crews' quarters	...	...	1
Decomposing vegetable matter in crews' quarters	...	...	2
Unlined iron decks over crews' quarters	...	...	1
Defective bunks in crews' quarters	...	...	1
Defective decklights	„	...	3
Ships' stores and gear	„	...	2

DISINFECTION.

Disinfection was carried out by the Port Sanitary Authority on 65 vessels, and 30,323 articles of bedding, &c. (including a number of parcels containing pieces of bedding and effects counted as one article but disinfected separately), were removed to West Quay Hospital and disinfected in the Steam Disinfector, and returned to the various vessels from which they were removed.

RATS.

The total number of rats caught during the year on vessels, &c., in the docks and destroyed, amounted to 34,608.

WATER SUPPLY.

Two samples of water were taken from water-tanks of vessels from foreign ports and submitted to the Borough Analyst for analysis. The samples proved to be of good quality.

The water barges supplying vessels and yachts in the port with drinking water were frequently inspected, and found in a satisfactory condition.

TABLE H.

Table showing the total number of vessels visited, nationality, description, and number found defective, during the year 1903 (not including re-visits).

Nationality.	Steam.	Sail.	Total.	Defective.
American	51	0	51	1
British	2648	1227	3875	189
Belgian	26	0	26	0
Dutch	74	9	83	1
Danish	2	8	10	0
French	0	39	39	9
German	183	13	196	2
Greek	2	0	2	0
Italian	1	0	1	0
Norwegian	14	24	38	1
Russian	0	15	15	1
Spanish	1	0	1	0
Swedish	16	4	20	4
Total	3018	1339	4357	208

HOSPITAL SHIP.

A fire occurred on the Hospital Ship on the 15th July and considerably damaged the stem of the vessel. The cause of the fire was probably due to the caulking of the seams having caught alight and smouldered, the paint on the stem having been burnt off the day previous by the Shipkeeper, preparatory to the vessel being repainted.

The old main deck which was covered with lead sheathing was found to be in a very defective and leaky condition, the rain penetrating under the lead and into the wards. The vessel was therefore removed to the Town Quay and the lead sheathing removed and the main deck renewed from poop to windlass. The poop decks were caulked and a new stem fixed, and other necessary repairs carried out.

It will shortly be necessary, however, for the oakum in the seams of the outside planking below and above the metal line to be renewed. The caulking of the topside seams above the metal line also requires renewing. It will also be necessary for the vessel to be remetalled. If this work is carried out, the surveyors who examined the ship are of opinion she will be fit for use as a Hospital Ship for another twenty years.